

Tdap Cocooning Project: An Innovative Strategy for Vaccine Delivery

Elizabeth Rosenblum, MD¹

*Sarah McBane, PharmD, CDE, BCPS²

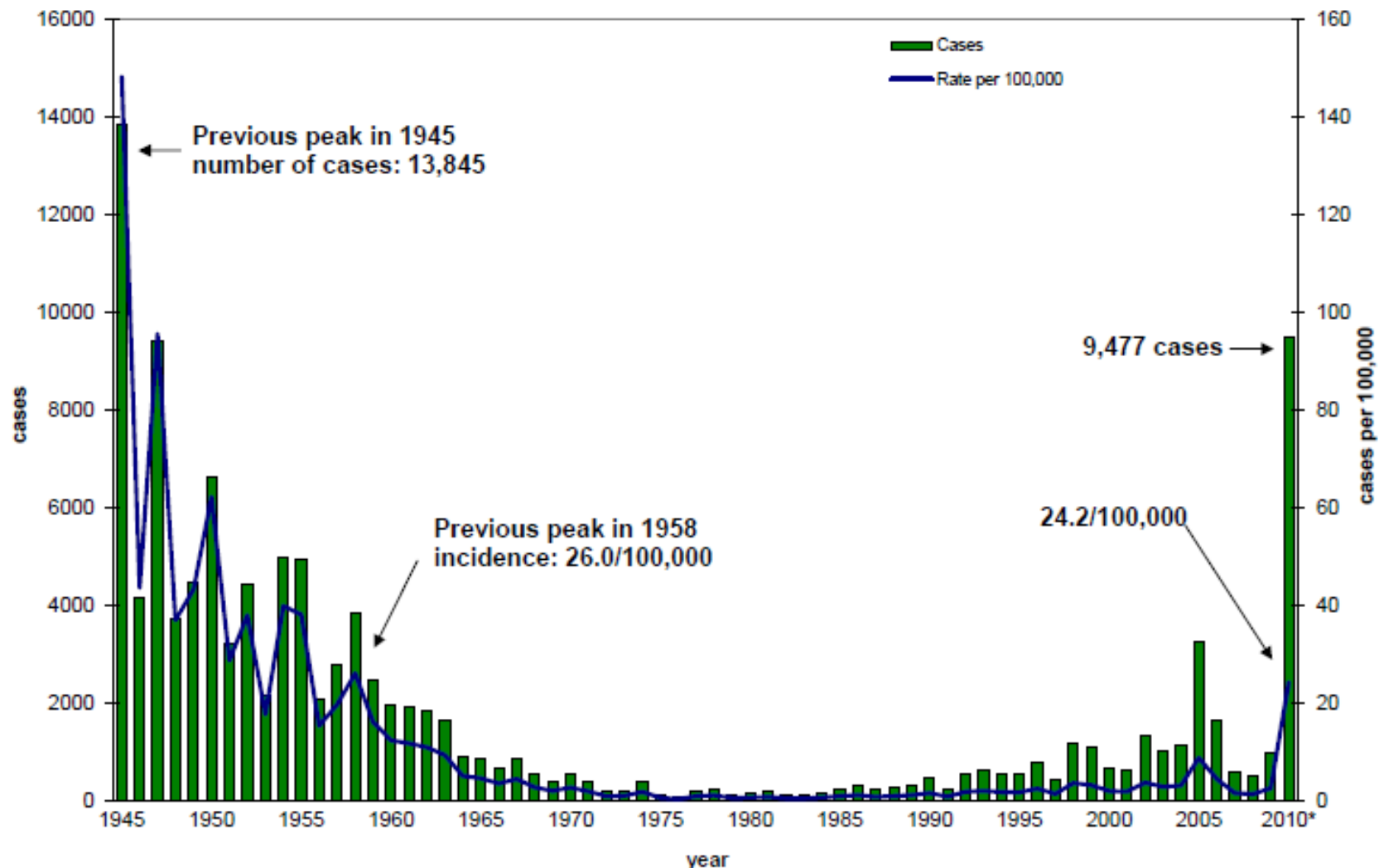
Sandra Chiang, PharmD¹

Mark Sawyer, MD¹

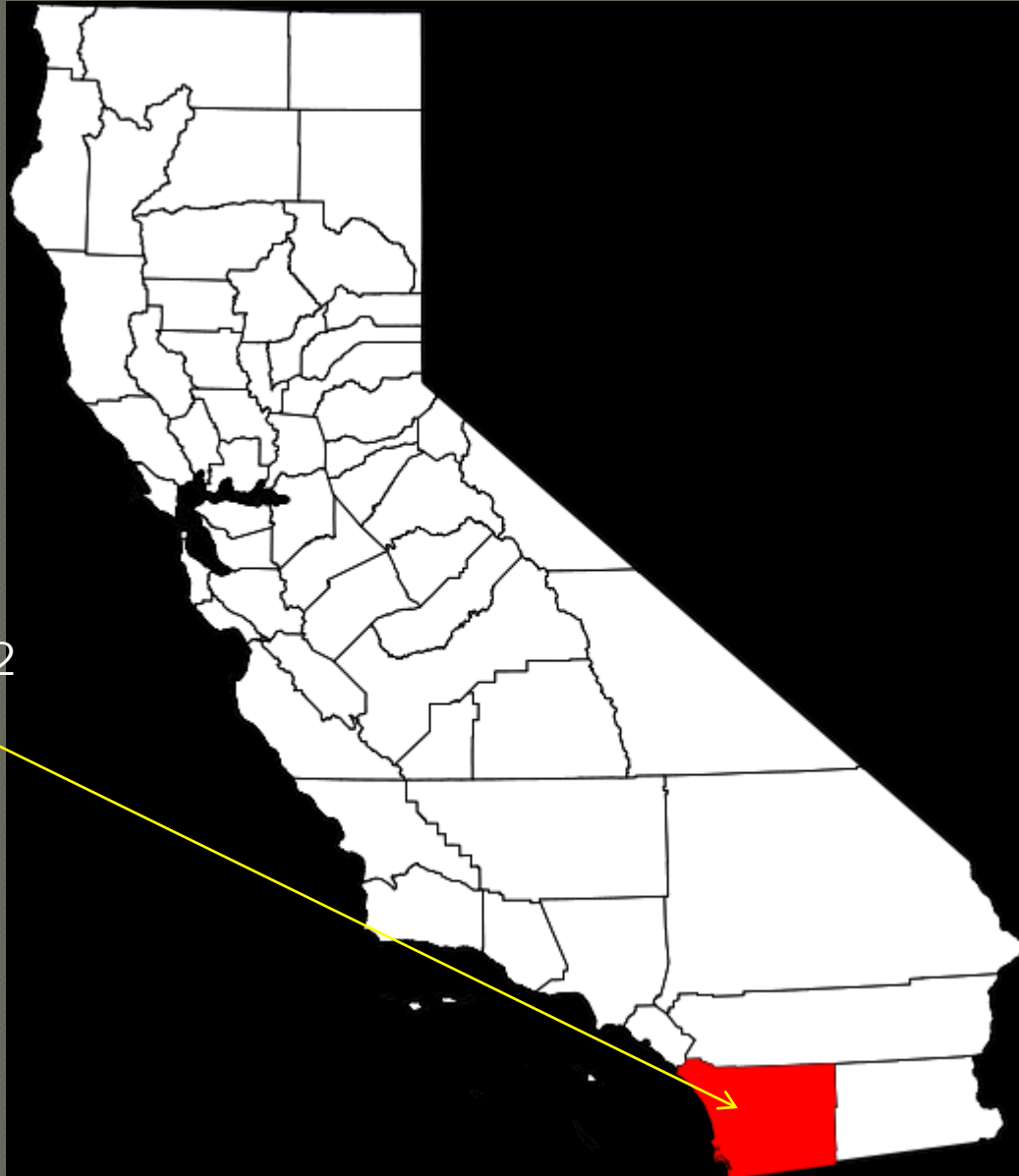
UCSD Health System¹

UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences²

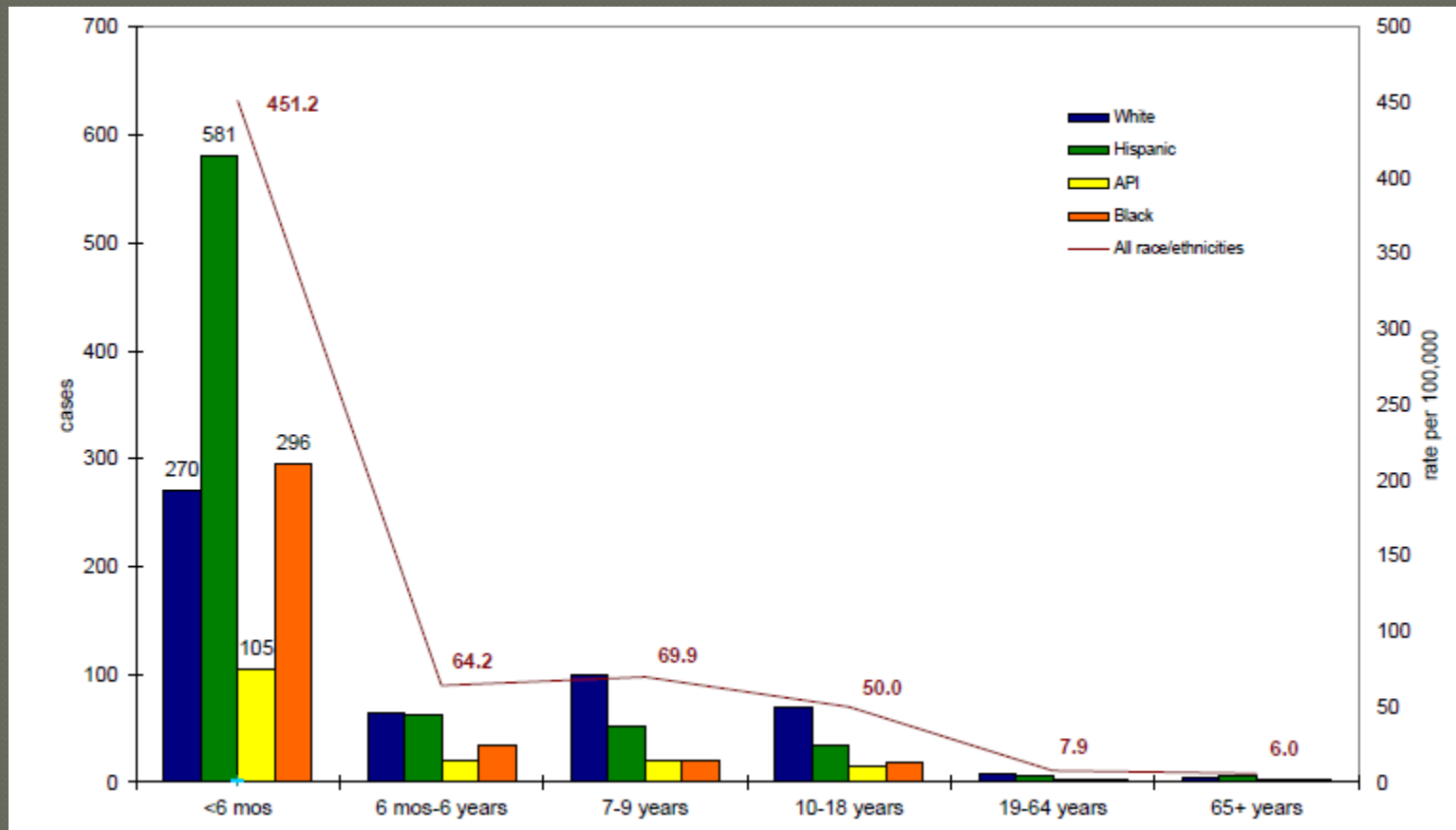
Coughing in California...



1194, 37.32

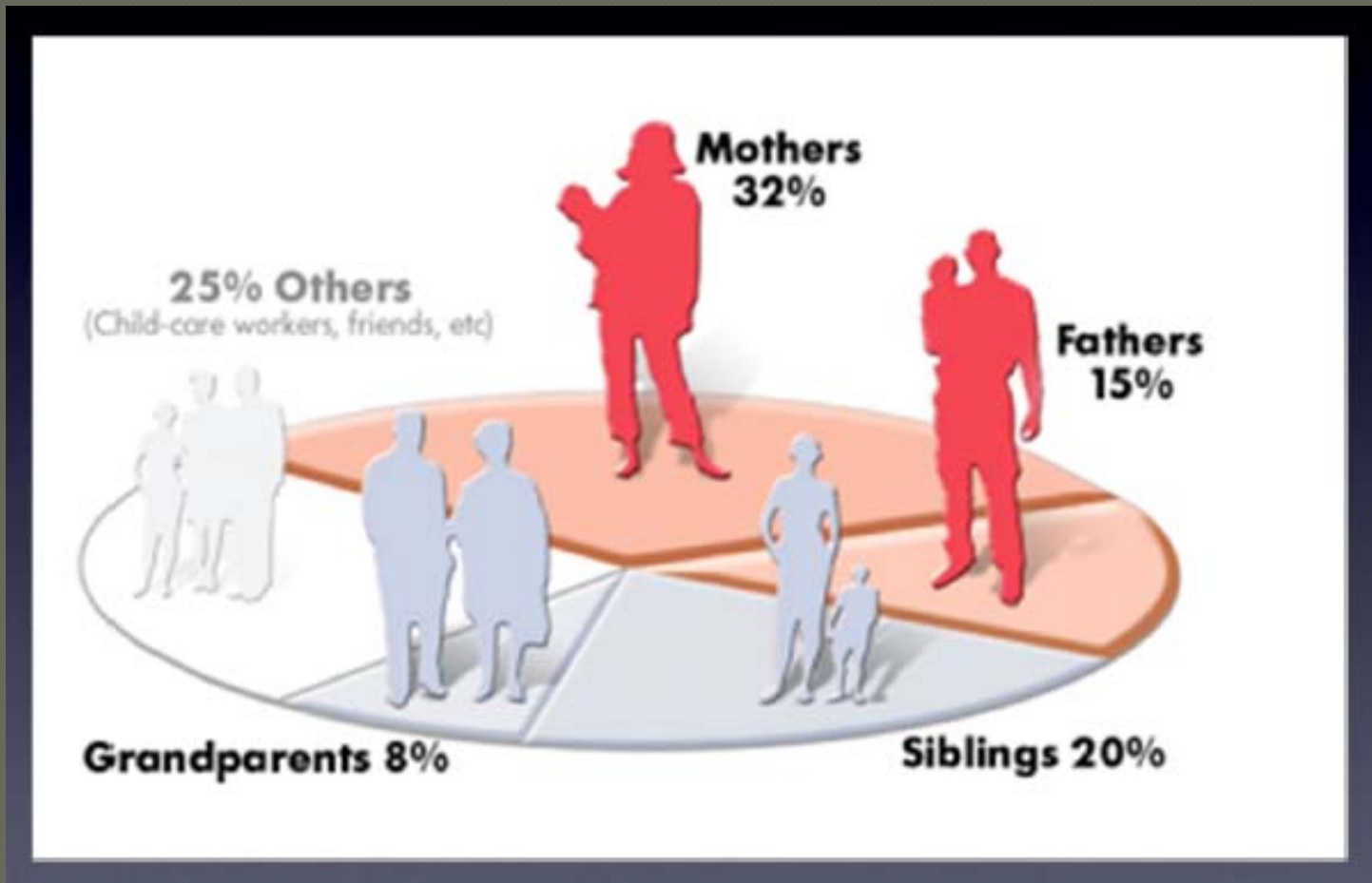


Effects on the Babies



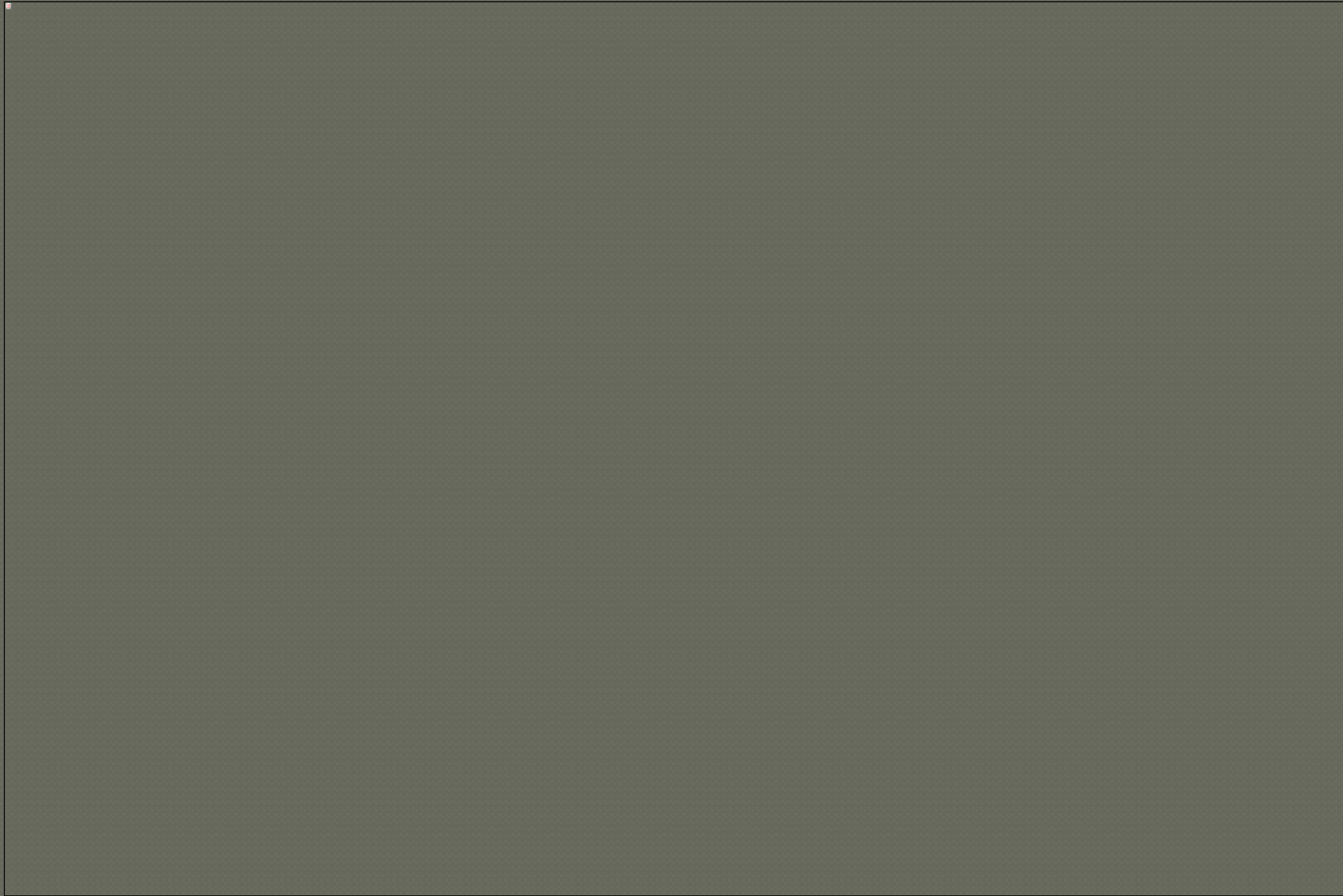
Quick Summary

- ◉ In 2010, > 9000 cases whooping cough
- ◉ Most reported cases since 1945
- ◉ 10 infant deaths
 - 90% Hispanic



From Bisgard et al. *Ped Infect Dis J.* 2004

Cocooning





UCSD
Medical
Center

UCSD Tdap Cocooning Clinic

- Immunize family members and other close contacts of newborns
- 2 clinics – inpatient and outpatient
 - 90 minute sessions
 - 6 days per week
 - Walk-in
- Pharmacists and pharmacy students
- Vaccine from CDPH
- Simplified registration process

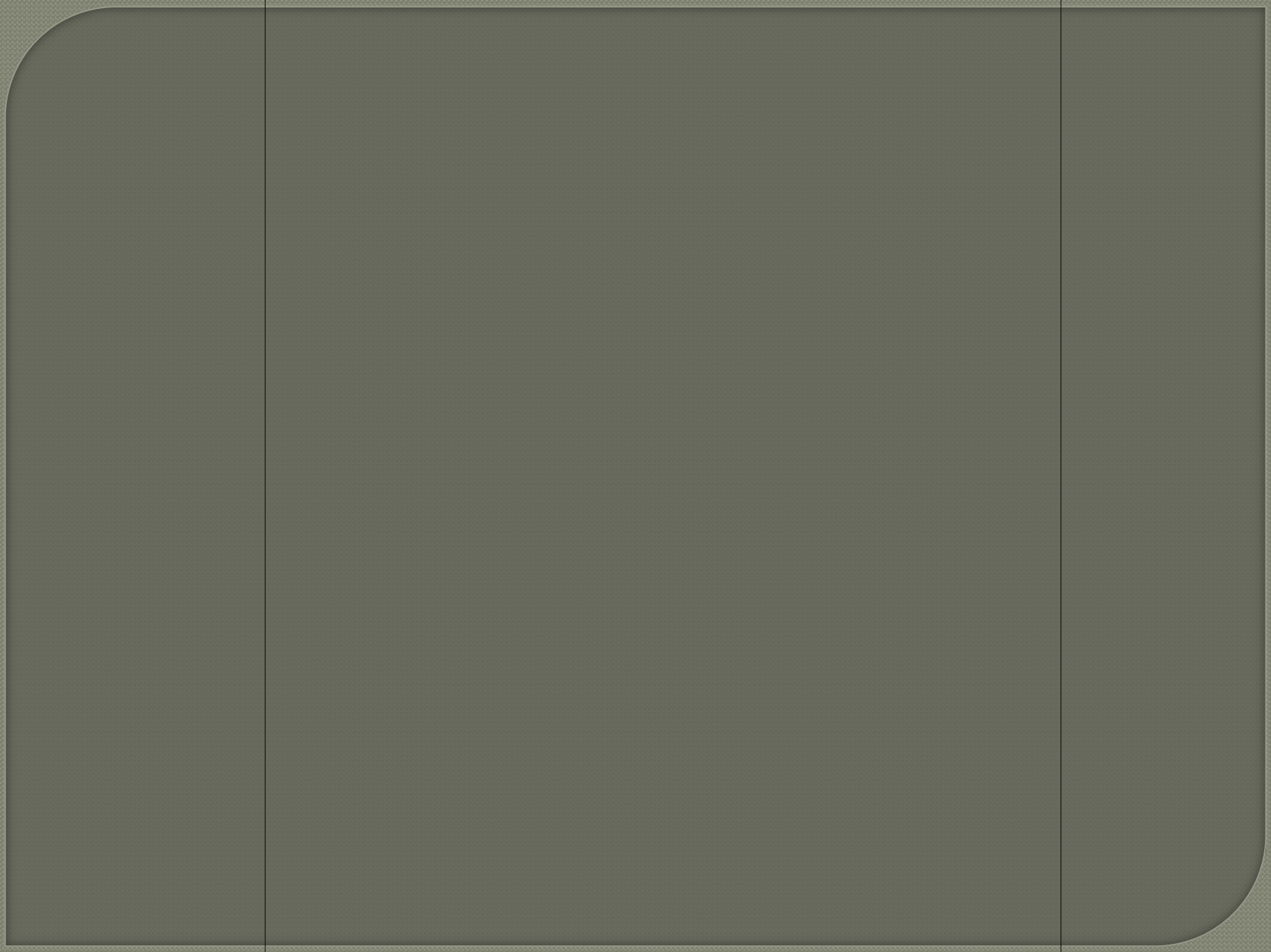
UCSD Tdap Cocooning Clinic

Inpatient

- 5:00 – 6:30
- Coincided with NICU visiting hours
- Postpartum floor
- “Town crier”

Outpatient

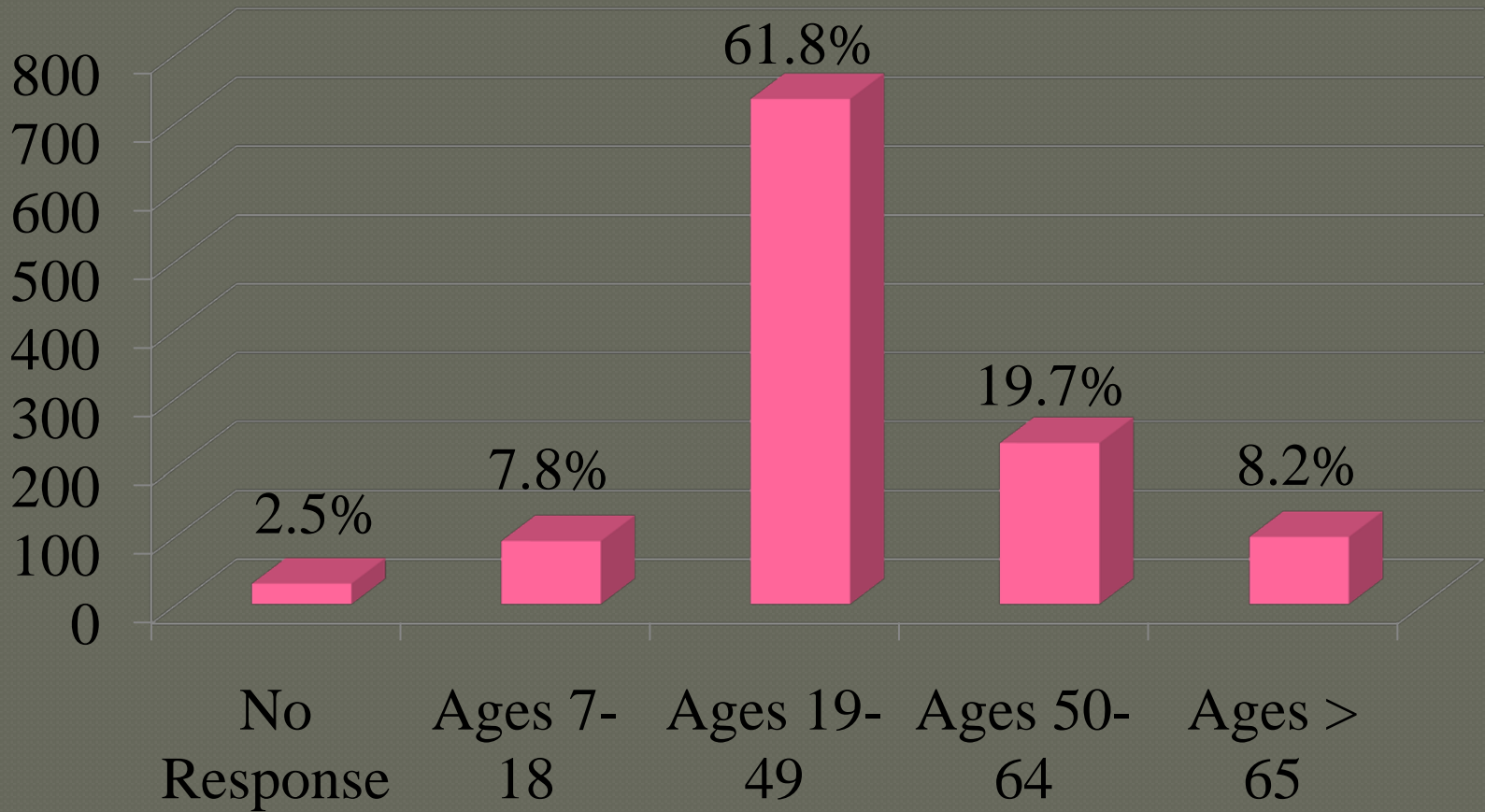
- 3:30 – 5:00
- 3 different pharmacies
- 5 days per week
 - 2 days at each pharmacy



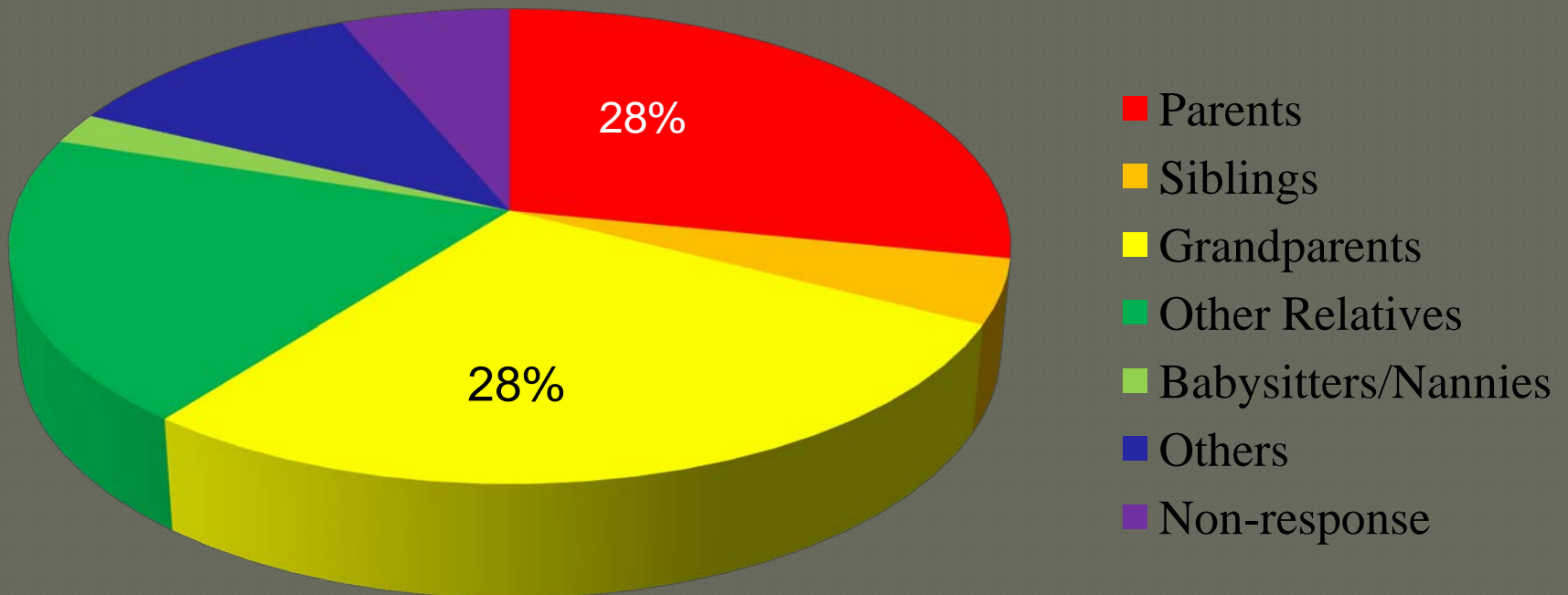
How We Did...

- 1,237 Tdap vaccines given between August 2nd and October 30th 2010
- About 20 vaccines per night

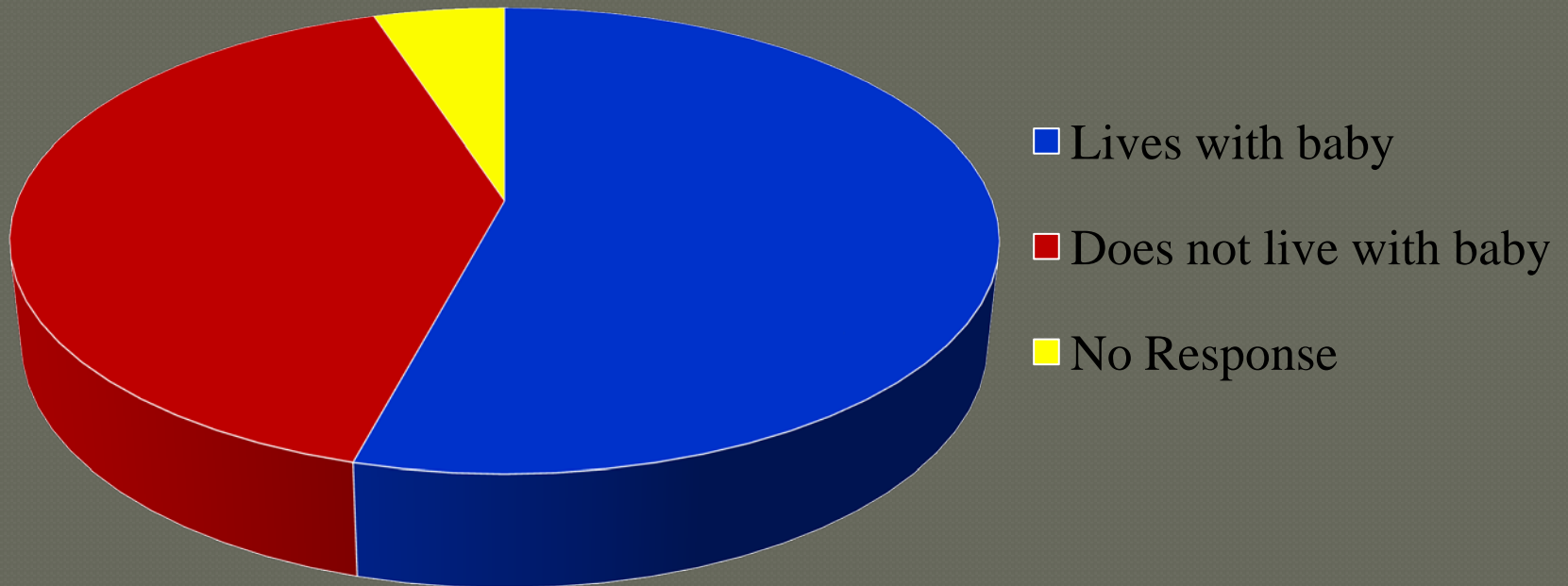
Patient Age



Relationship to Infant



Proximity to Newborn



Race and Ethnicity

Black

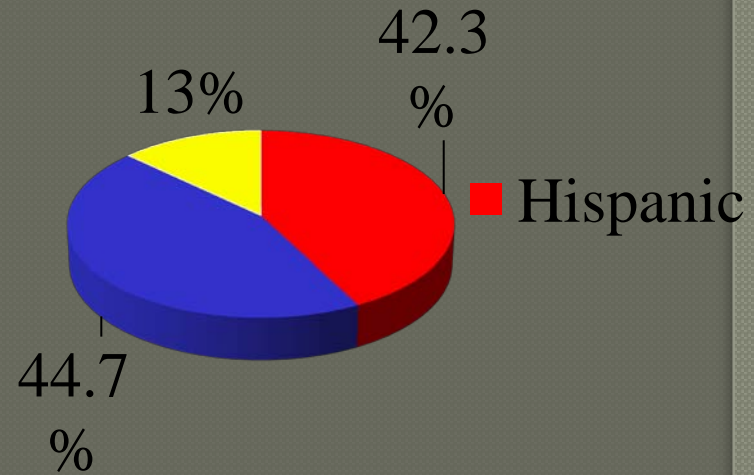
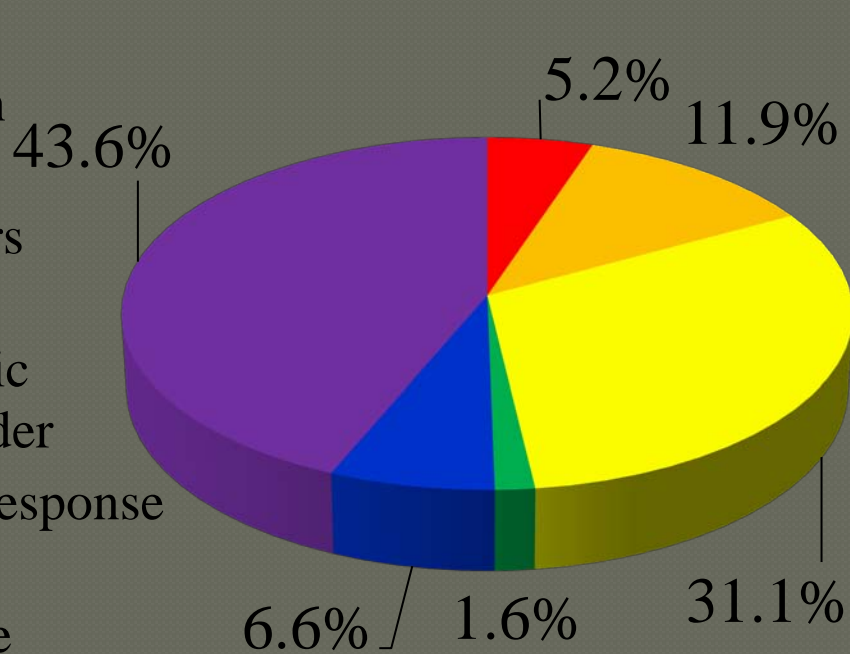
Asian

Others

Pacific Islander

No Response

White



Lessons Learned

- ① 1) family members are highly motivated to receive vaccine when they understand the cocooning concept
- ② 2) take the vaccine clinic directly to family members (during visitation)
- ③ 3) multi-disciplinary approach

Lessons Learned

- ④ 4) 'town crier'
- ④ 5) availability of free vaccine
- ④ 6) simplified registration process improved flow

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